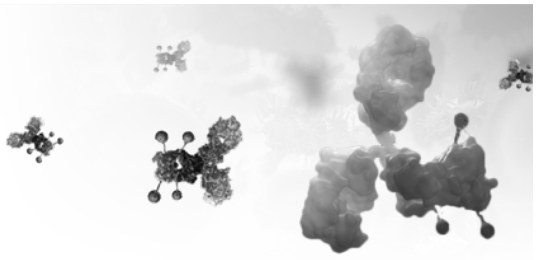

Human Anti-Human PD-L1 (Avelumab) Monoclonal Antibody, clone Avelumab [Biosimilar] (CABT-Z703H)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Detects human PD-L1. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Avelumab.
Immunogen	Human PD-L1
Isotype	IgG1, λ
Source/Host	Human
Species Reactivity	Human
Clone	Avelumab
Purification	Protein A or G purified
Conjugate	Functional Grade
Applications	FA
Format	Liquid
Concentration	Lot specific
Size	5 mg
Buffer	0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free. Endotoxin Level ≤ 0.75 EU/mg as determined by the LAL method

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Preservative	None
Storage	Store at 2-8℃ for short term; -80℃ for long term. Avoid freeze / thaw cycle.
Ship	Wet ice

BACKGROUND

Introduction	PD-L1 (programmed death ligand 1) also known as B7-H1 or CD274. PD-L1 is a 40 kDa type I transmembrane protein that belongs to the B7 family of the Ig superfamily. PD-L1 is expressed on T lymphocytes, B lymphocytes, NK cells, dendritic cells, as well as IFNγ stimulated monocytes, epithelial cells and endothelial cells. PD-L1 binds to its receptor, PD-1, found on CD4 and CD8 thymocytes as well as activated T and B lymphocytes and myeloid cells. Engagement of PD-L1 with PD-1 leads to inhibition of TCR-mediated T cell proliferation and cytokine production. PD-L1 is thought to play an important role in tumor immune evasion. Induced PD-L1 expression is common in many tumors and results in increased resistance of tumor cells to CD8 T cell mediated lysis. Avelumab biosimilar is a programmed death ligand-1 (PD-L1) blocking antibody. Avelumab is a human IgG1 lambda monoclonal antibody that has a molecular weight of approximately 147 kDa.
Keywords	CD274;CD274 molecule;B7-H;PDL1;PD-L1

GENE INFORMATION

Gene Name	CD274
Entrez Gene ID	29126
UniProt ID	Q9NZQ7

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